LITEON
www.liteonit.com

52x 32x 52x + 16x Combo Drive

Features

SOHC-5236V

- ★ **ATAPI/E-IDE Half-Height 52X Write, 32X Rewrite, 52X Read, and 16X DVD-ROM Read Speed**
- ★ **SMART-BURN(*1) avoiding Buffer Under Run error, Automatically adjusting writing strategy & running OPC to provide the best burning quality**
- ★ **SMART-X(*2) function adjusts CD-DA / VCD / DVD data extraction to a fastest allowable speed according to both data request rate from host and disk quality**
- ★ **ABS(*3) mechanism to reduce vibration & noise while high speed rotating**
- ★ **Belt Tray Loading Mechanism**
- ★ **Support Fixed Packet, Variable Packet, TAO, SAO, DAO, Raw Mode Burning & Over-Burn**
- ★ **DVD read compliant: DVD single/dual layer (PTP/OTP), DVD-R(3.9GB/4.7GB), DVD-R multi-borders, DVD+R, DVD+R multi-sessions, DVD-RW, and DVD+RW**
- ★ **CD read compliant: CD-DA, CD-ROM, CD-ROM/XA, Photo-CD, Multi-session, Karaoke-CD, Video-CD, CD-I FMV, CD Extra, CD Plus, CD-R, and CD-RW**
- ★ **Support both 8cm and 12cm disc of CD and DVD family**
- ★ **Conforms to Orange Book Part 2 Valume 2, 3 Part 3, Volume 1, 2 and 3: High Speed & MMC3 commands**
- ★ **Support PIO mode 4, DMA mode 2 and Ultra DMA mode 2**
- ★ **Support Mt. Rainier**

Specifications

◎ **Performance :**

Writing	52X(7800KB/sec) maximum by CAV
Rewriting	32X(4800KB/sec) maximum by Z-CLV in Ultra Plus Speed disc
Reading	
CD Family	52X(7800KB/sec) maximum by CAV
DVD Family	16X(21600KB/sec) maximum by CAV
Access time	
CD Family	120ms
DVD Family	140ms

◎ **Buffer Size :** 1.5MB(Max)

◎ **PC Required :** Pentium 166MHz or faster CPU and 64MB or higher RAM are required
HDD must have access time < 20ms with a minimum of 100MB free space

◎ **Compatibility :** MS-Windows 95 / 98 / NT4.0 / ME /2000 / XP

◎ **MTBF(Life) :** 70000 Hours

◎ **S/N Ration :** >75dB

◎ **Environment :**

Operating	5℃ to 45℃; Relative Humidity: 15% to 80%
Non-Operating	-35℃ to 60℃; Relative Humidity: 15% to 95%

◎ **Dimension :** 145(W) x 41.3(H) x 170(D) mm

◎ **Weight :** <0.9 Kg

◎ **Voltage Requirements :**
+5V +/-5% and less than 100 mVp-p ripple voltage
+12V +/-5% and less than 200 mVp-p ripple voltage

*1 **SMART-BURN : S**mart **M**onitoring & **A**dapting **R**ecording **T**echnology for **BURN**ing.
*2 **SMART-X : S**mart **M**onitoring & **A**djusting **R**ead-speed **T**echnology for e**X**traction.
*3 **ABS : A**uto **B**alance **S**pindle

Copyright© LITE-ON IT Corp. All Rights Reserved. **Contents are subject to change without notice**